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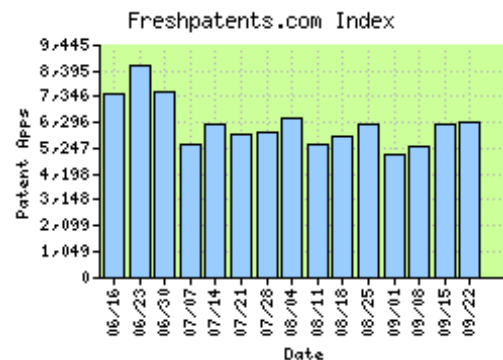
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[Microwave torrefaction of biomass](#)

There is described a processor for use in the microwave torrefaction of biomass material which comprises, a micronised biomass char material and a method of producing a biomass char material, and a method of producing L-glucosan. ...

[Hollow cone degassing](#)

A degassing system includes a vessel. A liquid inlet lets liquid into the vessel. A liquid outlet lets liquid out of the vessel. A liquid receiving chamber receives the liquid that enters the vessel through the liquid inlet. ...

[Milking equipment and method](#)

A teat cup has a nozzle in a head portion of a flexible liner of the teat cup for delivering fluid internally of the teat cup. The nozzle is directed so as to discharge fluid towards the ...

[Method of forming light absorption layer and solar cell structure using the same](#)

A method for forming a light absorption layer including the following steps is provided. A controlling precursor is wet coated on a base precursor. The band gap of ...

#### [Electrical appliance, in particular hand-held power tool](#)

The invention relates to an electrical appliance, in particular a hand-held power tool, having an appliance housing, a circuitry substrate that is situated in the appliance housing and equipped with components, and sealing elements ...

#### [Water purifying filter assembly module](#)

According to the aspect of the invention, the water purifying filter can be assembled on the filter assembly head provided in the water purifying filter assembly module during the assembly of the water purifying filter while ...

#### [Spray gun structure](#)

A spray gun structure comprises a control valve mounted into an assembling chamber of a body and regulated by an adjusting device to control the on/off of water discharge thereby. A coupling sleeve is joined to the body ...

#### [Semiconductor device and method of manufacturing semiconductor device](#)

A high-performance semiconductor device capable of suppressing a leak current with little electric field concentration, reducing an invalid region in a PN junction region, securing a sufficient area for a Schottky junction region, ...

#### [Method and device for manufacturing a three-dimensional object that is suitable for application to microtechnology](#)

The present invention relates to a method and a device for manufacturing a three-dimensional object, wherein the object is generated by successively solidifying single layers of ...

#### [Method for detecting capacity leakage of capacitor in power conditioner, power conditioner performing the same, and photovoltaic power system provided with the same](#)

A photovoltaic power system continues or stops running according to a degree of a detected capacity leakage of ...

#### [Contact probe and socket, and manufacturing method of tube plunger and contact probe](#)

A contact probe has a tubular plunger which is not made by press working and rounding so that quality control of gold plating or the like is not ...

#### [Multiband high gain omnidirectional antennas](#)

Exemplary embodiments are provided of multiband high gain omnidirectional antennas. In one exemplary embodiment, an antenna generally includes first and second radiating elements. The first radiating element is configured to produce a first radiation pattern at ...

#### [Liquid ejecting head, liquid ejecting apparatus, and piezoelectric element](#)

A piezoelectric element includes a piezoelectric layer, and an electrode provided on the piezoelectric layer. The piezoelectric layer is composed of a compound oxide having a perovskite structure and containing bismuth lanthanum ...

#### [Progressive-power lens designing method, progressive power lens designing system, and progressive-power lens](#)

A progressive-lens designing system includes a manufacturer-side terminal installed in a lens manufacturer connected to a shop-side terminal installed in a spectacle shop or any other location via a ...

#### [Dielectric ceramic composition and ceramic electronic component](#)

A dielectric ceramic composition includes, as a main component, a compound having perovskite type crystal structure shown by a general formula  $ABO_3$ , as subcomponents, in terms of respective element with respect to 100 moles ...

#### [Fabric extra traffic](#)

A method of forwarding traffic through a network node including an ingress IO card, an egress IO card, and a pair of parallel switch fabric cards. One of the switch fabric cards is designated as a working switch ...

#### [Apparatus for determining and/or monitoring a process variable](#)

An apparatus for determining and/or monitoring at least one process variable. The apparatus includes: at least one sensor element, which is connected to at least one connection line; and at least one conductor ...

#### [Paragraph recognition in an optical character recognition \(ocr\) process](#)

An image processing apparatus for detecting paragraphs in a textual image includes an input component for receiving an input image in which textual lines and words have been identified and a page ...

#### [Highway device, in particular manhole, with frame and plug with backward movement relative to the frame to ensure the closed position of the plug in the frame](#)

A manhole includes a frame and plug, which moves backward relative to the frame, ...

#### [Reversible gel protein formulation](#)

Reversible gel protein formulations, including pharmaceutical formulations, that inhibit protein aggregate formation are described, along with containers, e.g., a vial, ampoule or bottle; or an apparatus or device, e.g., a syringe, comprising such formulations. Also described are ...

#### [Powder dispensing apparatus and method](#)

An additive manufacturing powder dispenser has a metering member for dispensing a line of powder to be used in an additive manufacturing process. The metering member has one or more metering voids that extend through the ...

#### [Integrated curtain wall and wireway distribution system](#)

A curtain wall including an extruded aluminum sill having a first channel for receiving a glazed panel, a sill anchor/access portion for securing the sill to a poured concrete slab or slab wall, and ...

#### [Ballistic panels and method of making the same](#)

A ballistic panel is described that comprises a ballistic-resistant component and a cover that comprises a laminate

comprising (i) a substrate layer and (ii) an inner bonding layer. The cover is bonded to ...

#### [Method for manufacturing electrode for solar cell, substrate for solar cell manufactured by the same, and solar cell manufactured by the same](#)

The present invention provides a method for manufacturing an electrode for a solar cell, a substrate for the solar ...

#### [Wiring substrate with customization layers](#)

One or more customization layers can be added to a wiring substrate. The customization layers can provide customized electrical connections from electrical contacts of the base wiring substrate to electrical contacts at an outer surface of ...

#### [Automatic control device for an electrical heating appliance](#)

The invention relates to an automatic control device for an electrical heating appliance including a rectifier-inverter, in which one input is connected to the power grid and one output is connected to a ...

#### [Radiation-shielding assemblies and methods of using the same](#)

In one characterization, the present invention relates to a radiation-shielding assembly for holding a container having a radioactive material disposed therein. The assembly may, at least in one regard, be referred to as ...

#### [Package substrates, semiconductor packages having the same, and methods of fabricating the semiconductor packages](#)

A package substrate, a semiconductor package having the same, and a method for fabricating the semiconductor package. The semiconductor package includes a semiconductor chip, a package substrate, ...

#### [Apparatus for tilting a wheelchair seat](#)

A wheelchair having a tiltable and translatable seat for compensating for shifting of the center of gravity of an occupant during tilting is provided. Such a wheelchair includes a frame, a first actuator, a seat ...

#### [Mri and method using multi-slice imaging](#)

An MRI for a patient includes an imaging coil for sparsely sampling multiple slices of k-space data across a spatial dimension and a temporal dimension to produce associated signals. The MRI includes a receiving coil ...

#### [Antenna device](#)

An antenna device includes an antenna, a case accommodating the antenna therein, a sealing cap partially inserted into the case, and a connection terminal extending from the antenna in a predetermined direction. The sealing cap includes an insert portion ...

#### [Three-dimensional image viewing device and three-dimensional image display device](#)

A three-dimensional image viewing device includes a control panel in which a plurality of pixels are disposed in a predetermined region; a position identifying unit that identifies a right eye position and ...

#### [Management system, monitoring apparatus and method thereof](#)

A management system includes an image forming apparatus and a monitoring apparatus. The monitoring apparatus includes a determination unit configured to determine whether the image forming apparatus has a transmission control function for performing ...

#### [Rotatory table lamp](#)

A rotatory table lamp includes a base, a holder, a connection element, a rotation mechanism, a first lamp and a second lamp. One end of the holder is fixed in the center of the base, and the other ...

#### [Transmission apparatus and communication method](#)

A transmission apparatus which multiplexes control channels for multiple reception apparatuses into an OFDM symbol at the same timing in OFDM downlink radio access includes a pattern generating unit configured to generate a frequency mapping pattern ...

#### [Circuit apparatus and method for detecting earphone in portable terminal](#)

A circuit apparatus and a method for detecting an earphone in a portable terminal are provided. The apparatus includes an earjack, a first switch, a second switch, a comparator, and a ...

#### [Image forming apparatus](#)

An image forming apparatus includes a gloss applying mode for applying gloss to an image on a sheet and a non-gloss-applying mode. The image forming apparatus includes a fixing device including a fixing member and a pressurizing member ...

#### [Melt-coated dosage forms](#)

Formulations of sparingly water-soluble active ingredients comprising carrier particles provided with active ingredient-containing coatings, the sparingly soluble active ingredients being embedded in coatings composed of amphiphilic copolymers, and the coatings being applied in the form of a solvent-free melt. ...

#### [Method and apparatus for transcribing fine patterns](#)

In a method for transcribing fine patterns and an apparatus for transcribing fine patterns, the ingress of bubbles is prevented and patterns are transcribed with a high throughput by a relatively compact apparatus. For ...

#### [Device for supplying a dental retraction cord, a method of making and using such a device, and a method for gingival retraction](#)

The invention relates to a device for supplying a dental retraction cord. The device comprises a cannula for dispensing ...

#### [Connector structure for high-frequency transmission lines](#)

A connector structure for high-frequency transmission lines comprises a locking sleeve used for receiving the connector of a signal cable therein for signal transmission, and is characterized in that: the locking sleeve comprises a hollow ...

[Rubber cores for golf balls based on ethylene-propylene diene copolymers](#)

A multi-piece golf ball comprising at least one component made of an ethylene-propylene diene copolymer (EPDM) rubber is provided. The multi-piece golf ball includes a center and at least one surrounding ...

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